

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,706
Source: IFW0
Date Processed by STIC: 02/21/2007

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/553,706

TIME: 14:15:57

Input Set : A:\sequence listing ascii.txt

Output Set: N:\CRF4\02212007\J553706.raw

```

3 <110> APPLICANT: Plante, Daniel
4   Ubalijoro, Eliane
6 <120> TITLE OF INVENTION: Polynucleotides for the Detection of
7   Salmonella Species
9 <130> FILE REFERENCE: 1556.0430000
11 <140> CURRENT APPLICATION NUMBER: 10/553,706
C--> 12 <141> CURRENT FILING DATE: 2005-10-18
14 <150> PRIOR APPLICATION NUMBER: PCT/CA2004/000576
15 <151> PRIOR FILING DATE: 2004-04-19
17 <160> NUMBER OF SEQ ID NOS: 41
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 990
23 <212> TYPE: DNA
24 <213> ORGANISM: Salmonella typhimurium
26 <400> SEQUENCE: 1
27 gtgactctgg tcgacgaact taaataatgc ctgcctcacc ctcttttctt cagaaagagg      60
29 gtgactattt gtctggttta ttaactgttt atccccaag caccataatc aacgctagac      120
31 tgttcttatt gttaacacaa gggagaagag atgatgcgcg tactggttgt agaggataat      180
33 gcattattac gccaccacct gaaggttcag ctccaggatt caggtcacca ggtcgatgcc      240
35 gcagaagatg ccagggaagc tgattactac cttaatgaac accttccgga tatcgctatt      300
37 gtcgatttag gtctgccgga tgaagacggc ctttccttaa tacgccgctg gcgcagcagt      360
39 gatgtttcac tgccggttct ggtgttaacc gcgcgcgaag gctggcagga taaagtgcag      420
41 gttctcagct ccggggccga tgactacgtg acgaagccat tccacatcga agaggtaatg      480
43 gcgcgtatgc aggcgttaat gcgccgtaat agcggctctgg cctcccaggt gatcaacatc      540
45 ccgccgttcc aggtggatct ctcacgccgg gaattatccg tcaatgaaga ggtcatcaaa      600
47 ctcacggcgt tcgaatacac cattatggaa acgcttatcc gtaacaacgg taaagtggtc      660
49 agcaaagatt cgctgatgct tcagctgtat ccggatgcgg aactgcggga aagtcatacc      720
51 attgatgttc tcatggggcg tctgcggaaa aaaatacagg cccagtatcc gcacgatgtc      780
53 attaccaccg tacgcggaca aggatatctt tttgaattgc gctaataaat aaatttgctc      840
55 gccattttct gcgtgtcgct gcgggttcgt tttttgctgg cgacagccgg cgtcgtgctg      900
57 gtgctttctt tggcatatgg catagtggcg ctggtcggct atagcgtaag ttttgataaa      960
59 accacctttc gtttgctgcg cggcgaaagc
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 160
64 <212> TYPE: DNA
65 <213> ORGANISM: Bacillus halduans
67 <400> SEQUENCE: 2
68 gtgacgttat tgcaatttaa tcttgaacag tcaggctacg aggtcgtgac agcaatggat      60
70 ggagcttctg ggctacaact agctaagacg caaacgttcg atcttattat tttagacctc      120
72 atgttacctg aaatggatgg actcgatgta tgtaaacaac
75 <210> SEQ ID NO: 3
76 <211> LENGTH: 160

```

RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/553,706

TIME: 14:15:57

Input Set : A:\sequence listing ascii.txt

Output Set: N:\CRF4\02212007\J553706.raw

```

77 <212> TYPE: DNA
78 <213> ORGANISM: Bacillus subtilis
80 <400> SEQUENCE: 3
81 gttactcttt tacagtacaa tttggaacgg tcaggctatg atgtcattac cgcctcggat      60
83 ggggaagaag cactcaaaaa agcggaaaca gagaaacctg atttgattgt gcttgatgtg      120
85 atgcttccaa aattggacgg aatcgaagta tgcaagcagc      160
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 160
90 <212> TYPE: DNA
91 <213> ORGANISM: Clostridium acetobutylicum
93 <400> SEQUENCE: 4
94 tcaaatTTga taaagTTaaa tttaaatatg gcgggatatata taagtgaagc tgtgtataat      60
96 ggtgaagctg cactggactt aattgaaggt agaaattttg atttaatact tttagacata      120
98 atgctgccta aaatagatgg ttttagtcta tttcaaaaaa      160
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 160
103 <212> TYPE: DNA
104 <213> ORGANISM: Escherichia coli
106 <400> SEQUENCE: 5
107 cgtcaccacc ttaaagttca gattcaggat gctggtcatc aggtcgatga cgcagaagat      60
109 gccaaagaag ccgattatta tctcaatgaa catataccgg atattgcatg tgcgatctc      120
111 ggattgccag acgaggacgg tctgtcactg attcgccgct      160
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 160
116 <212> TYPE: DNA
117 <213> ORGANISM: Escherichia coli
119 <400> SEQUENCE: 6
120 cgtcaccacc ttaaagttca gattcaggat gctggtcatc aggtcgatga cgcagaagat      60
122 gccaaagaag ccgattatta tctcaatgaa catataccgg atattgcatg tgcgatctc      120
124 ggattgccag acgaggacgg tctgtcactg attcgccgct      160
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 160
129 <212> TYPE: DNA
130 <213> ORGANISM: Escherichia coli
132 <400> SEQUENCE: 7
133 cgtcaccacc ttaaagttca gattcaggat gctggtcatc aggtcgatga cgcagaagat      60
135 gccaaagaag ccgattatta tctcaatgaa catataccgg atattgcatg tgcgatctc      120
137 ggattgccag acgaggacgg tctgtcactg attcgccgct      160
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 160
142 <212> TYPE: DNA
143 <213> ORGANISM: Escherichia coli
145 <400> SEQUENCE: 8
146 cgtcaccacc ttaaagttca gattcaggat gctggtcatc aggtcgatga tgcagaagat      60
148 gccaaagaag ccgattatta tctcaatgaa catttaccgg atattgcatg tgcgatctc      120
150 ggattgccag acgaggacgg tctgtcactg atttgccgct      160
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 160
155 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/553,706

TIME: 14:15:57

Input Set : A:\sequence listing ascii.txt

Output Set: N:\CRF4\02212007\J553706.raw

```

156 <213> ORGANISM: Listeria innocua
158 <400> SEQUENCE: 9
159 gttaccttgt tgcaatttaa tattgaaaaa gctgggtttg atgtagtcac agctgaagat      60
161 ggtagaactg ggtacgaact tgctctatcg gaaaaaccag atttaattgt acttgattta      120
163 atgcttcctg aaatggacgg aattgaagta acgaaaaaac      160
166 <210> SEQ ID NO: 10
167 <211> LENGTH: 160
168 <212> TYPE: DNA
169 <213> ORGANISM: Listeria innocua
171 <400> SEQUENCE: 10
172 gttaccttgt tgcaatttaa tattgaaaaa gctgggtttg atgtagtcac agctgaagat      60
174 ggtagaactg ggtacgaact tgctctatcg gaaaaaccag atttaattgt acttgattta      120
176 atgcttcctg aaatggacgg aattgaagta acgaaaaaac      160
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 160
181 <212> TYPE: DNA
182 <213> ORGANISM: Listeria monocytogenes
184 <400> SEQUENCE: 11
185 gttaccttgt tgcaatttaa tattgaaaaa gctgggtttg atgtagtcac agctgaagat      60
187 ggtagaactg ggtacgaact tgctctatcg gaaaaaccag atttaattgt acttgattta      120
189 atgcttcctg aaatggacgg aattgaagta acgaaaaaac      160
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 160
194 <212> TYPE: DNA
195 <213> ORGANISM: Listeria monocytogenes
197 <400> SEQUENCE: 12
198 gttaccttgc tacaatttaa tattgaaaaa gcaggatttg aagtgggtgac agctgaagat      60
200 ggtagaactg ggtatgagct cgcttgtcc gaaaagccag atttaattgt gcttgattta      120
202 atgcttcctg agatggacgg aatcgaagta acaaaaaaac      160
205 <210> SEQ ID NO: 13
206 <211> LENGTH: 160
207 <212> TYPE: DNA
208 <213> ORGANISM: Mycobacterium leprae
210 <400> SEQUENCE: 13
211 gtcgaaccgc tctaggtgac atcaaattcc agggctttta ggtccaggct gtgtttaaag      60
213 gagccgcggc agctggacta ggctcgtagt gtcggccgg acgcggtgat cttggacgtg      120
215 gtgatgccgg ggatggacgg ttctgggggtg ctgcgctggc      160
218 <210> SEQ ID NO: 14
219 <211> LENGTH: 160
220 <212> TYPE: DNA
221 <213> ORGANISM: Mycobacterium tuberculosis
223 <400> SEQUENCE: 14
224 gttgaactgc tgctcggtag cctcaagttc cagggctttg aagtctacac cgcgaccaac      60
226 ggggcacagg cgctggatcg ggcccgggaa acccgccgg acgcggtgat cctcgatgtg      120
228 atgatgcccg ggatggacgg ctttggggtg ctgcgccggc      160
231 <210> SEQ ID NO: 15
232 <211> LENGTH: 160
233 <212> TYPE: DNA
234 <213> ORGANISM: Pseudomonas aeruginosa

```

RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/553,706

TIME: 14:15:57

Input Set : A:\sequence listing ascii.txt

Output Set: N:\CRF4\02212007\J553706.raw

```

236 <400> SEQUENCE: 15
237 cgccaccacc tctatacccg cctgggtgaa caggggcacg tgggtggacgc ggtaccggat      60
239 gccagggaag ccctctaccg ggtcagcgaa taccaccacg acctggcggg gatcgacctc      120
241 ggcttgccgg gcatgagcgg cctggacctg atccgcgagc      160
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 160
246 <212> TYPE: DNA
247 <213> ORGANISM: Salmonella typhimurium
249 <400> SEQUENCE: 16
250 cgccaccacc tgaagggttca gctccaggat tcaggtcacc aggtcgatgc cgcagaagat      60
252 gccagggaag ctgattacta ccttaatgaa caccttccgg atatcgctat tgtcgattta      120
254 ggtctgccgg atgaagacgg cctttcctta atacgccgct      160
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 160
259 <212> TYPE: DNA
260 <213> ORGANISM: Salmonella typhimurium
262 <400> SEQUENCE: 17
263 cgccaccacc tgaagggttca gctccaggat tcaggtcacc aggtcgatgc cgcagaagat      60
265 gccagggaag ctgattacta ccttaatgaa caccttccgg atatcgctat tgtcgattta      120
267 ggtctgccgg atgaagacgg cctttcctta atacgccgct      160
270 <210> SEQ ID NO: 18
271 <211> LENGTH: 160
272 <212> TYPE: DNA
273 <213> ORGANISM: Salmonella enterica
275 <400> SEQUENCE: 18
276 cgccaccacc tgaagggttca gctccaggat tcaggtcacc aggtcgatgc cgcagaagat      60
278 gccagggaag ctgattacta ccttaatgaa caccttccgg atatcgctat tgtcgattta      120
280 ggtctgccgg atgaagacgg cctttcctta atacgccgct      160
283 <210> SEQ ID NO: 19
284 <211> LENGTH: 160
285 <212> TYPE: DNA
286 <213> ORGANISM: Salmonella enterica
288 <400> SEQUENCE: 19
289 cgccaccacc tgaagggttca gctccaggat tcaggtcacc aggtcgatgc cgcagaagat      60
291 gccagggaag ctgattacta ccttaatgaa caccttccgg atatcgctat tgtcgattta      120
293 ggtctgccgg atgaagacgg cctttcctta atacgccgct      160
296 <210> SEQ ID NO: 20
297 <211> LENGTH: 160
298 <212> TYPE: DNA
299 <213> ORGANISM: Salmonella typhimurium
301 <400> SEQUENCE: 20
302 cgccaccacc tgaagggttca gctccaggat tcaggtcacc aggtcgatgc cgcagaagat      60
304 gccagggaag ctgattacta ccttaatgaa caccttccgg atatcgctat tgtcgattta      120
306 ggtctgccgg atgaagacgg cctttcctta atacgccgct      160
309 <210> SEQ ID NO: 21
310 <211> LENGTH: 160
311 <212> TYPE: DNA
312 <213> ORGANISM: Salmonella typhimurium
314 <400> SEQUENCE: 21

```

RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/553,706

TIME: 14:15:57

Input Set : A:\sequence listing ascii.txt

Output Set: N:\CRF4\02212007\J553706.raw

```

315 cgccaccacc tgaaggttca gctccaggat tcaggtcacc aggtcgatgc cgcagaagat      60
317 gccagggaag ctgattacta ccttaatgaa caccttcgga atacgctat tgcgattta      120
319 ggtctgccgg atgaagacgg cctttcctta atacgccgct      160
322 <210> SEQ ID NO: 22
323 <211> LENGTH: 160
324 <212> TYPE: DNA
325 <213> ORGANISM: Salmonella typhimurium
327 <400> SEQUENCE: 22
328 cgccaccacc tgaaggttca gctccaggat tcaggtcacc aggtcgatgc cgcagaagat      60
330 gccagggaag ctgattacta ccttaatgaa caccttcgga atacgctat tgcgattta      120
332 ggtctgccgg atgaagacgg cctttcctta atacgccgct      160
335 <210> SEQ ID NO: 23
336 <211> LENGTH: 160
337 <212> TYPE: DNA
338 <213> ORGANISM: Staphylococcus aureus
340 <400> SEQUENCE: 23
341 gtaacattac ttaaatataa cttagaaaca gctggttatg aagttgttgt cgcatttgat      60
343 ggtgatgagg ctttagaaaa ggtagaaagt gaacagccag atttaattat tttagatgtt      120
345 atgctaccta aaaaagatgg cattgacgta tgtaagactg      160
348 <210> SEQ ID NO: 24
349 <211> LENGTH: 160
350 <212> TYPE: DNA
351 <213> ORGANISM: Staphylococcus aureus
353 <400> SEQUENCE: 24
354 gtaacattac ttaaatataa cttagaaaca gctggttatg aagttgttgt cgcatttgat      60
356 ggtgatgagg ctttagaaaa ggtagaaagt gaacagccag atttaattat tttagatgtt      120
358 atgctaccta aaaaagatgg cattgacgta tgtaagactg      160
361 <210> SEQ ID NO: 25
362 <211> LENGTH: 160
363 <212> TYPE: DNA
364 <213> ORGANISM: Streptococcus pneumoniae
366 <400> SEQUENCE: 25
367 ctgaaattgc ttgactacca tttaagtaag gaaggctttt ctactcaatt ggtgacaaat      60
369 ggacggaagg ccttagcttt ggcagaaaca gaaccctttg attttatctt gcttgatata      120
371 atgttaccac aattagatgg catggaagtt tgtaagcggc      160
374 <210> SEQ ID NO: 26
375 <211> LENGTH: 160
376 <212> TYPE: DNA
377 <213> ORGANISM: Yersinia pseudotuberculosis
379 <400> SEQUENCE: 26
380 cgtcaccatc tgacagtgc aatgcgtgaa atgggccatc aggttgatgc cgcggaagat      60
382 gctaaagaag cagactatct cttacaagag catgccccg acattgctat tatcgatctt      120
384 ggtttgcccg gtgaagacgg gtttaagcctt atccgtcgct      160
387 <210> SEQ ID NO: 27
388 <211> LENGTH: 160
389 <212> TYPE: DNA
390 <213> ORGANISM: Yersinia pestis
392 <400> SEQUENCE: 27
393 cgtcaccatc tgacagtgc aatgcgtgaa atgggccatc aggttgatgc cgcggaagat      60

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/553,706

DATE: 02/21/2007
TIME: 14:15:58

Input Set : A:\sequence listing ascii.txt
Output Set: N:\CRF4\02212007\J553706.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:32,33,34,35,36,37

VERIFICATION SUMMARY

DATE: 02/21/2007

PATENT APPLICATION: US/10/553,706

TIME: 14:15:58

Input Set : A:\sequence listing ascii.txt

Output Set: N:\CRF4\02212007\J553706.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date